

**The causes and frequency of fetal abortion legal license's issued by the Legal Medicine center of
Ardabil province and its related factors during 22 june 2015 - 21 june 2017**

Abstract

Background and Objective: Abortion is defined as induced or spontaneous exit of pregnancy product before 20" week of Gestation or at the time when fetus is less than 500 grams . induced abortion is one of the complicated problems of population. Survey and study on this topic can help in correction of a suitable standard and increasing knowledge of professionals and public. The aim of this study was to determine Relative Frequency and main causes of therapeutic abortions in applicants referred to Legal Medicine center of Ardabil province during 22 june 2015 - 21 june 2017 .

Methods: This cross sectional study enrolled a total of requests for therapeutic abortion submitted to Legal Medicine center of Ardabil province during 22 june 2015 - 21 june 2017. Information on cause of request , maternal age , gestational age , indication of reception or cause of rejection for request were mined and analysed using the SPSS version 16 .

Results: Of the 287 therapeutic abortion requests , 44 were excluded from the study due to exclusion criteria. Of the 243 remaining cases, 200 cases (82.3%) were related to fetal indications and 43 cases (17.7%) were related to maternal causes. Out of 243 cases, 179 cases (73.7%) were granted permission to therapeutic abortion, and 64 (26.3%) were not approved and rejected. The average age of female applicants for permission for therapeutic abortion was 30.2 ± 7.2 and the majority of applicants (41.6%) were between the ages of 31-40 years. The mean gestational age in applicants for therapeutic abortion was 14 ± 4.4 , and the majority of applicants (44.9%) had gestational age in the range of 15-16 weeks. Among 200 cases of fetal indication hydrops fetalis was reported with 30 cases (15%) and among the 43 cases of maternal indication cardiovascular disease with 16 cases (37.2%) were the highest. Between the causes of rejection of the request, the lack of documentation and until the end of the 19th week of pregnancy was highest with 34 cases (53.1%).

Conclusion: According to the findings, the most reasons for request of the therapeutic abortion license in this study were fetal indications. Among the fetal indications hydrops fetalis and among the maternal causes cardiovascular disease were the most frequent. Most applicants were in the second and third decades of their lives, and the majority of pregnancies were in around 15 and 16 weeks. Most applications are licensed and the highest licensing rate was for fetal indications. Most refused cases were due to lack of documentation until the end of the 19th week of pregnancy.

Keywords: abortion, therapeutic abortion, legal medicine